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(21) International Application Number: PCT/EP98/04287 (22) International Filing Date: 10 July 1998 (10.07.98) (30) Priority Data: 08/893,764 11 July 1997 (11.07.97) US (71) Applicant (for all designated States except US): BOEHRINGER INGELHEIM INTERNATIONAL GMBH [DE/DE]; Postfach 200, D-55216 Ingelheim am Rhein (DE). (72) Inventors; and (75) Inventors/Applicants (for US only): GEORGIEV, Georgii [RU/RU]; 7-76 Gubkina Street, Moscow, 117312 (RU). KISELEV, Sergei [RU/RU]; 24-135 Tallinskaya Street, Moscow, 123458 (RU). PROKHORCHOUK, Egor [RU/RU]; 3-3-58 Nab. T. Shevchenko, Moscow, 121248 (RU). OSTERMANN, Elinborg [AT/AT]; Mauerbachstrasse 56/6, A-1140 Vienna (AT). (74) Common Representative: BOEHRINGER INGELHEIM GMBH; Postfach 200, D-55216 Ingelheim am Rhein (DE).		(81) Designated States: CA, JP, MX, RU, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: TUMOR GROWTH INHIBITION- AND APOPTOSIS-ASSOCIATED GENES AND POLYPEPTIDES AND METHODS OF USE THEREOF		
(57) Abstract <p>The present invention is generally directed to the identification of mouse and human genes that inhibit the growth of a tumor and induce apoptosis in cancer cells, and to polypeptides encoded by such genes. In particular, the invention concerns the nucleotide sequence of one such tumor-inhibiting gene, <i>tag7</i>, and the amino acid sequence of a polypeptide encoded by <i>tag7</i>. The invention also provides isolated nucleic acid molecules comprising <i>tag7</i> polynucleotides, and vectors and host cells comprising these isolated nucleic acid molecules. The invention also provides methods of producing <i>tag7</i> polynucleotides using these nucleic acid molecules, vectors and host cells, <i>tag7</i> polypeptides made by these methods and antibodies that specifically bind to the <i>tag7</i> polypeptide. The invention also concerns methods of inhibiting tumor growth and inducing tumor cell apoptosis, and methods of cancer therapy, using the present <i>tag7</i> nucleic acid molecules and polypeptides.</p>		

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